

HEADER INFORMATION:

CASE #: # 96-40-32	INCIDENT TYPE: TERRES/AQUAT
AGENCY: NY DEPT ENVIRONM CON SERV WILDL PATHOL UN	EVENT STARTED: 12/30/96 EVENT ENDED: / /
ENTERED: 09/08/97	TOTAL AFFECTED: 4
UPDATED: 09/09/97	MAGNITUDE AFFECTED: SEE TOTAL AFFECTED
STATE: NY	WEATHER CONDITIONS: N/R
EPA REGION: 2	
COUNTY: ULSTER	
COUNTRY: USA	
FIPS CODE: 36111	

ZINC PHOSPHIDE 088601

* Personal Privacy Information has been removed*

HEADER ABSTRACT:

One day prior to bird kill, birds were observed alive and well. Three were consequently found dead in the water and one on the shore of the Marlborough Reservoir (Town of Marlborough).

Two adults (M & F) and two hatch-year females were in good flesh with large fat reserves. Examination of ingesta of the latter females demonstrated a faint, but acrid odor.

A letter with the above information was directed to [REDACTED] of Marlborough, dated 01/03/97 by:

Contact: Ward B. Stone
Wildlife Pathologist
Wildlife Pathology Unit
108 Game Farm Road
Delmar, New York 12054

PESTICIDE INFORMATION:

PESTICIDE: ZINC PHOSPHIDE
SHAUGHNESSY: 088601
PRODUCT: N/R
TYPE: RODENTICIDE
CLASS: INORGANIC
FORMULATION: N/R

USE SITE: ORCHARD
USE/MISUSE: REGISTERED USE
APPLICATION METHOD: BAIT
APPLICATION RATE: N/A
CERT INDEX: HIGHLY PROBABLE

CERTAINTY DISCUSSION:

INCIDENT # I004766-001

PESTICIDE: ZINC PHOSPHIDE

Ingesta tested for phosgene gas (Drager reagent tube) was positive. It consisted of grass and coarse fragments of corn.

The pesticide source would probably be within two aerial miles possibly an orchard where phosphide-treated bait (Zn or Al) is permitted for use as mouse control.

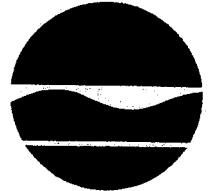
SPECIES INFORMATION:

CLASS: BIRD	AGE: MIXED
COMMON NAME: CANADA GOOSE	NUMBER AFFECTED: 3F/ 1M/ 0?
SPECIES: BRANTA CANADENSIS	MAGNITUDE AFFECTED: SEE NUMBER AFFECTED
HABITAT: RESERVOIR	NECROPSY CONDITION: GOOD
DIST TO TRT: VICINITY	NUMBER NECROPSIED: 3F/ 1M/ 0?
EXP. CAUSE: INGESTION	CHOLINESTERASE RANGE: 0.0 % - 0.0 %
RESPONSE: MORTALITY--ACUTE	NUMBER ANALYZED: 0

1004766
-001

New York State Department of Environmental Conservation
Wildlife Pathology Unit
108 Game Farm Road, Delmar, NY 12054

Rec'd by KEB
2-5-97



Michael D. Zagata
Commissioner

* Personal Privacy Information has been removed*

January 3, 1997

[REDACTED]
Marlborough, NY 12542

RE: Canada Goose #96-40-32

Dear [REDACTED]

The following is a summary of history and findings for this case.

History: These four Canada geese were found at Marlborough Reservoir (Town of Marlborough, Ulster County) on 30 December 1996. One goose was found dead on the shore, the other three were dead in the water. These birds were reportedly observed alive and well the previous day.

Findings: Two adult (male, female) and two hatch-year (both female) Canada geese in good flesh with large fat reserves. Gross pathology common to the four included variable pallor of the skeletal muscle, and soft, fragile livers. Three of the birds had water in the lungs and airways. Ingesta consisted of variable amounts of grass and coarse fragments of corn. A faint, but acrid odor was noticed while examining the ingesta of the two hatch-year birds, and a subsequent test for phosphine gas (Drager reagent tube) was positive.

Diagnosis: Poisoning with zinc or aluminum phosphide treated rodent bait.

Comments: A likely source for the phosphide-based rodenticide would be an orchard where the use of such bait is permitted for mouse control. A few hours may pass between ingestion and noticeable intoxication, so the baited site could conceivably be at some distance from the reservoir. However, intoxication is usually rapid and the source of the phosphide based rodenticide is probably very close (within two aerial miles) to the reservoir.

Please keep us informed of any additional mortalities.

Sincerely,

Ward B. Stone

Ward B. Stone
Wildlife Pathologist

WBS:rd

cc: K. Converse (NWHRL)
→ C. Brassard (USEPA)
G. Cole
Pesticide Inspectors Region III
L. Skinner
Toxicant Case Binder

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